

TABLE XX  
LITHOLOGIC DESCRIPTIONS OF CORES

## CORE #1

Western edge of Pigeon Key

80° 30' 08" W. longitude, 25° 03' 03" N. latitude

Depth (ft.)	Unit No.	Description
0.0-1.4	5	Interbedded carbonate mud and peat; dark brown, brown, and brownish gray; coarser grained than units below; layered appearance; $\frac{1}{4}$ " peat layer $\frac{1}{2}$ " from top of unit; 1" peat layer 4" above base of unit; $\frac{1}{4}$ " peat layer 2" above base of unit; contact sharp.
1.4-1.5	4	Carbonate mud; light gray; very fine grained; no mollusk shell fragments or organic fragments; contact sharp.
1.5-2.5	3	Carbonate mud; light brownish gray at base grading into darker brown at the top of unit; coarser grained than units below; mollusk shell fragments; very dark pieces of organic matter; gradational contact.
2.5-3.3	2	Carbonate mud; gray; fine grained; mollusk shell fragments; scattered pieces of brown organic matter; gradational contact.
3.3-5.3	1	Carbonate mud; light gray; fine grained; mollusk shell fragments all less than $\frac{1}{8}$ " in size; randomly distributed brown organic stringers.

91

TABLE XX - Continued

## CORE #2

Pigeon shoal located off the southern end of Pigeon Key

80°30'70" W. longitude, 25°03'02" N. latitude

Depth (ft.)	Unit No.	Description
0.0-2.3	6	Carbonate mud; light gray at base grading upward into brownish gray; fine grained; becomes coarser gradationally upward; mollusk shell fragments; organic fragments; gradational contact.
2.3-4.1	5	Carbonate mud; light gray with a greenish hue at the base; very fine grained; mollusk shell fragments; dark brown organic stringers up to $1\frac{1}{2}$ " long; sharp contact.
4.1-4.2	4	Carbonate mud; light gray; bordered on top and bottom by $\frac{1}{4}$ " light greenish brown layers; fine grained; few mollusk fragments; dark brown organic stringers; sharp contact.
4.2-5.7	3	Carbonate mud; light gray; fine grained; mollusk shell fragments; dark brown organic stringers and splotches randomly distributed; sharp contact.
5.7-6.4	2	Carbonate mud; gray; fine grained; mollusk shell fragments; organic fragments; sharp contact.
6.4-6.6-772	1	Carbonate mud; brownish gray; $\frac{1}{4}$ " light gray layer at base; mollusk shell fragments less than $\frac{1}{4}$ " in size; dark brown organic splotches.

92

TABLE XX - Continued

## CORE #3

Western edge of Bottle Key

80°33'05" W. longitude, 25°03'09" N. latitude

Depth (ft.)	Unit No.	Description
0.0-1.5	2	Shell sand; light brown grading into brown-gray at base; very fragmental and unconsolidated with no fragments greater than $\frac{1}{4}$ "; peat layer in top several inches; small amount of carbonate mud at base of unit; sharp contact.
1.5-5.9	1	Carbonate mud; gray; fine grained; few scattered mollusk fragments; dark brown organic stringers; top 1.2' appears coarser.

## CORE #4

Bottle Shoal located off the SW end of Bottle Key

80°33'06" W. longitude, 25°03'08" N. latitude

Depth (ft.)	Unit No.	Description
0.0-0.6	3	Carbonate mud; gray; top half of unit is darker than bottom half; fine grained; mollusk shell fragments; green and dark brown organic matter; gradational contact.
0.6-5.5	2	Carbonate mud; light gray; fine grained; coarser subdivision 5" up from the base of the unit $3\frac{1}{2}$ " thick; mollusk shell fragments; dark brown organic stringers up to $3\frac{1}{2}$ " long; gradational contact.

93

TABLE XX - ContinuedCORE #4 - Continued

Depth (ft.)	Unit No.	Description
5.5-6.4	1	Carbonate mud; gray; fine grained but slightly coarser than unit above; mollusk shell fragments; brown organic fragments.

## CORE #5

Eastern edge of Stake Key

80°35'08" W. longitude, 25°03'05" N. latitude

Depth (ft.)	Unit No.	Description
0.0-0.2	7	Carbonate mud; dark brown; fine grained; shell fragments; roots and other organic matter; sharp contact.
0.2-0.4	6	Carbonate mud; light brownish gray; fine grained; mollusk shell fragments; roots and one large black organic circle; gradational contact.
0.4-0.8	5	Shell sand; light brown; contains grass roots which act as a cohesive agent; twigs; sharp contact.
0.8-1.7	4	Carbonate mud; brownish gray; fine grained; peaty material toward the top of the unit; dark reddish brown mangrove roots; gradational contact.
1.7-5.2	3	Carbonate mud; light gray; fine grained; dark reddish brown organic fragments (mangrove roots) which are not badly decomposed; gradational contact.

TABLE XX - ContinuedCORE #5 - Continued

Depth (ft.)	Unit No.	Description
5.2-6.0	2	Carbonate mud; gray; coarser than unit above; mollusk shell fragments; reddish brown organic fragments; gradational contact.
6.0-6.2-14	1	Carbonate mud; dark gray; fine grained; mollusk shell fragments; organic fragments.

## CORE #6

Western edge of Crab Key

80° 39' 08" W. longitude, 24° 59' 07" N. latitude

Depth (ft.)	Unit No.	Description
0.0-0.3	4	Carbonate mud; buff; fine grained; brown organic fragments; grass roots; sharp contact.
0.3-1.7	3	Peat layer; dark reddish brown; grass roots and larger root-like organic fragments; sharp contact.
1.7-2.4	2	Carbonate mud; brown to buff; fine grained; mollusk shell fragments; reddish brown organic root material; dark brown organic stringers; grass roots; sharp contact.
2.4-6.7-14	1	Carbonate mud; light gray; fine grained; mollusk shells and shell fragments; dark brown and reddish brown organic stringers and root-like pieces (hollow on the inside).

95

TABLE XX - Continued

## CORE #7

Crab Shoal located off the NW end of Crab Key  
 80°39'08" W. longitude, 24°59'08" N. latitude

Depth (ft.)	Unit No.	Description
0.0-0.5	3	Carbonate mud; gray; fine grained but coarser than unit below; mollusk shell fragments; reddish brown organic roots; gradational contact.
0.5-4.7	2	Carbonate mud; light gray; fine grained; mollusk shell fragments; dark brown organic stringers; gradational contact.
4.7-4.9	1	Carbonate mud; gray; fine grained; mollusk shell fragments; one large black organic fragment.

## CORE #8

Southeastern edge of Captain Key

80°38'02" W. longitude, 25°01'06" N. latitude

Depth (ft.)	Unit No.	Description
0.0-2.2	5	Carbonate mud; buff; fine grained; one large dark gray mass of decomposed organic matter 2" above base of unit; gradational contact.
2.2-3.3	4	Interbedded carbonate mud and peat; dark brown, buff; mollusk shell fragments, concentrated in the lower 3" of unit; dark brown to black organic root fragments; ½" thick peat layer 5" above base of unit; ½" thick peat layer 10½" above base of unit; gradational contact.

96

TABLE XX - ContinuedCORE #8 - Continued

Depth (ft.)	Unit No.	Description
3.3-4.7	3	Carbonate mud; light gray; fine grained; mollusk shells and fragments; large reddish brown to dark reddish brown organic roots.
4.7-6.1	2	Carbonate mud; gray; coarser grained than units below and above; abundant mollusk shells and fragments; few dark brown organic stringers; gradational contact.
6.1-6.8	1	Carbonate mud; gray to dark gray; fine grained; mollusk shell fragments; dark brown organic stringers.

## CORE #9

Captain Shoal located off the eastern end of Captain Key

80° 38' 03" W. longitude, 25° 01' 06" N. latitude

Depth (Ft.)	Unit No.	Description
0.0-1.7	5	Carbonate mud; gray; coarser grained than unit below; mollusk shell fragments; reddish brown and yellowish brown root fragments; gradational contact.
1.7-4.0	4	Carbonate mud; light gray; fine grained; mollusk shell fragments, concentrated 17 $\frac{1}{4}$ " from base of unit in layer $\frac{1}{2}$ " thick; large dark brown to light brown organic stringers; gradational contact.

97

TABLE XX - ContinuedCORE #9 - Continued

Depth (ft.)	Unit No.	Description
4.0-4.2	3	Carbonate mud; light gray; coarser grained than units above and below; more mollusk shell fragments than units above and below; dark brown organic fragments; gradational contact.
4.2-4.6	2	Carbonate mud; light gray; fine grained; few mollusk fragments; light to dark brown organic stringers; gradational contact.
4.6-6.3	1	Carbonate mud; gray; darker at base; fairly coarse grained; many mollusk shell fragments; dark brown organic fragments.

## CORE #10

Stake Shoal located off the SE end of Stake Key

80° 35' 03" W. longitude, 25° 03' 04" N. latitude

Depth (ft.)	Unit No.	Description
0.0-0.5	4	Carbonate mud; gray; much coarser than units below; mollusk shell fragments; thick reddish brown roots; gradational contact.
0.5-4.5	3	Carbonate mud; light gray; very fine grained; few mollusk shell fragments; light brown to yellowish brown plant remains (leaves ?); sharp contact.



98

TABLE XX - ContinuedCORE #10 - Continued

Depth (ft.)	Unit No.	Description
4.5-5.2	2	Carbonate mud; gray; fine grained; mollusk shell fragments; weedy fragments; gradational contact.
5.2-5.8	1	Carbonate mud; gray to dark gray; fine grained; mollusk shell fragments; weedy organic fragments.